In the Claims

23

24

25

This listing of claims will replace all prior versions and listings of claims in the application:

- 1 1. (Currently Amended) A self-contained, portable music 2 player comprising:
- 3 a rechargeable battery pack for powering the music player;
- an <u>input/output</u> <u>input</u> device including at least a keypad for receiving user inputs and a display;
- 6 an <u>output device</u> including a <u>display;</u>
- a memory capable of storing digital music in at least one compressed digital format;
- a data processor connected to said <u>input/output</u> <u>input device</u>,

 said <u>output</u> device and said memory, said data processor programmed

 to decompress said digital music into uncompressed digital music

 samples;
- an audio coder-decoder connected to said data processor for receiving said uncompressed digital music samples from said data processor and converting said uncompressed digital music samples into analog music;
- a headset connector connected to said audio coder-decoder for supplying said analog music to an external headset earphone; and a base connector including
- a power connection connected to said rechargeable battery
 pack capable of receiving charging power from an external base
 unit.
 - an analog output connection connected to said audio coder-decoder for supplying said analog music to an external base unit for amplification and reproduction via speakers, and
- an analog input connection connected to said audio coderdecoder for receiving an analog input from an external base unit;

wherein the self-contained, portable music player operates in
a portable mode disconnected from a base unit and powered
by said rechargeable battery pack, whereby enabling a user may
to listen to selected digital music stored in said memory via
an external said headset earphone connector, and

34

35

36

37

38

39

40

in a base mode connected to a base unit via said base connector and powered via said power connector, whereby enabling a user may to listen to selected digital music stored in said memory via speakers of an external base unit said analog output connection of said base connector and whereby enabling a user may to listen to music received on said analog input connection of said base connector.

- 2. (Currently Amended) The self-contained, portable music player of claim 1, wherein:
- said data processor is further programmed in cooperation with input/output said input device whereby enabling a user may to enter volume control data via said keypad; and
- said base connector further includes a volume data connection for transmission of volume control data from the self-contained, portable music player to an external base unit.
- 3. (Currently Amended) The self-contained, portable music player of claim 1, wherein:
- said base connector further includes a set of digital connections connected to said data processor and said audio coder-decoder for bi-directional transmission of digital data with an external base unit.
- 1 4. (Currently Amended) The self-contained, portable music 2 player of claim 1, further comprising:

- an infrared transmission interface connected to said data processor for bi-directional transmission of digital data with an external base unit.
- 5. (Original) The self-contained, portable music player of claim 1, further comprising:
- 3 a microphone;
- a pre-amplifier having an input connected to said microphone and an output connected to said audio coder-decoder;
- wherein said audio coder-decoder digitizes sound received by said microphone, said data processor programmed to store said digitized sounds in said memory.
- 6. (Original) The self-contained, portable music player of claim 5, wherein:
- said data processor is further programmed to compress said digitized sounds into a compressed digital format and store said compressed digital format in said memory.
- 7. (Original) The self-contained, portable music player of claim 5, wherein:
- 3 said data processor is further programmed to
- 4 recall digitized sounds stored in said memory, and
- 5 compress said recalled digitized sounds into a compressed
- 6 digital format and store said compressed digital format in
- 7 said memory.
- 8. (Previously Presented) The self-contained, portable music player of claim 1, wherein:
- said audio coder-decoder digitizes analog input received via 4 said analog input connection, said data processor programmed to
- 5 store said digitized analog input in said memory.

- 9. (Original) The self-contained, portable music player of claim 8, wherein:
- 3 said data processor is further programmed to compress said
- 4 digitized analog input into a compressed digital format and store
- 5 said compressed digital format in said memory.
- 1 10. (Original) The self-contained, portable music player of 2 claim 8, wherein:
- 3 said data processor is further programmed to
- 4 recall digitized analog input stored in said memory, and
- 5 compress said recalled digitized analog input into a
- 6 compressed digital format and store said compressed digital
- 7 format in said memory.
- 1 11. (Original) The self-contained, portable music player of
- 2 claim 1, wherein:
- 3 said memory is a non-volatile memory capable of retaining data
- 4 in the absence of electric power.
- 1 12. (Original) The self-contained, portable music player of
- 2 claim 1, wherein:
- 3 said data processor is a digital signal processor.
- 1 13. (Currently Amended) A music system comprising:
- 2 a self-contained, portable music player including
- 3 a rechargeable battery pack for powering the music
- 4 player,
- 5 an input/output input device including at least a keypad
- for receiving user inputs and a display;
- 7 an output device including a display;

8	a memory capable of storing digital music in at least one
9	compressed digital format,
10	a data processor connected to said input/output input
11	device, said output device and said memory, said data
12	processor programmed to decompress said digital music into
13	uncompressed digital music samples,
14	an audio coder-decoder connected to said data processor
15	for receiving said uncompressed digital music samples from
16	said data processor and converting said uncompressed digital
17	music samples into analog music,
18	a headset connector connected to said audio coder-decoder
19	for supplying said analog music to an external headset
20	earphone , and
21	a first base connector including
22	a first power connection connected to said
23	rechargeable battery pack capable of receiving charging
24	power from an external base unit, and
25	a player analog output connection connected to said
26	audio coder-decoder for supplying said analog music, and
27	an analog input connection connected to said audio
28	coder-decoder for receiving an analog input; and
29	a base unit including
30	a second base connector including
31	a second power connection for connection to said
32	first power connection,
33	an analog input connection for connection to said
34	player analog output connection of said first base
35	connector,
36	a base unit analog output connection for connection
37	to said analog input connection of said first base
38	connector,

a power source connected to said second power connection for supplying recharging power for said rechargeable battery pack,

a pre-amplifier having an input connected to said analog input connection and an output,

a power amplifier having an input connected to said output of said pre-amplifier and an output,

a tuner for receiving and demodulating analog audio signals, said tuner supplying said analog audio signals to said base unit analog output connection, and

a speaker system connected to said output of said power amplifier for reproducing sound corresponding to said output of said power amplifier,

wherein the music system operates in

 a portable mode wherein said self-contained, portable music player is disconnected from said base unit and powered by said rechargeable battery pack, whereby enabling a user may to listen to selected digital music stored in said memory via an external said headset earphone connector earphone, and

in a base mode wherein said self-contained, portable music player is connected to said base unit via said first base connector and said second base connector and powered from said power source, whereby enabling a user may to listen to selected digital music stored in said memory via speakers said speaker system of an external said base unit and whereby enabling a user may to listen to music from said tuner supplied to said analog input connection of said first base connector.

^{1 14. (}Currently Amended) The music system of claim 13, wherein:

- said data processor is further programmed in cooperation with

 input/output said input device whereby enabling a user may to enter

 volume control data via said keypad;
- said first base connector further includes a volume data output connection for transmission of volume control data from the self-contained, portable music player;
- 9 said second base connector further includes a volume data 10 input connection for connection to said volume data output 11 connection; and
- said pre-amplifier is further connected to said volume data input connection and producing an amount of amplification corresponding thereto to the volume control data.
- 1 15. (Currently Amended) The music system of claim 13, 2 wherein:
- said first base connector further includes a set of first digital connections connected to said data processor and said audio coder-decoder for bi-directional transmission of digital data with an external said base unit;
- said second base connector further includes a set of second digital connections for connection to said set of first digital connections; and
- said base unit further includes a disc drive connected to said set of second digital connections of said second base connector capable of storing and recalling digital data.
- 1 16. (Currently Amended) The music system of claim 13, further 2 comprising:
- an infrared transmission interface connected to said data processor for bi-directional transmission of digital data with an external said base unit.

- 1 17. (Original) The music system of claim 1, further 2 comprising:
- 3 a microphone;
- 4 a pre-amplifier having an input connected to said microphone
- 5 and an output connected to said audio coder-decoder;
- 6 wherein said audio coder-decoder digitizes sound received by
- 7 said microphone, said data processor programmed to store said
- 8 digitized sounds in said memory.
- 1 18. (Original) The music system of claim 17, wherein:
- 2 said data processor is further programmed to compress said
- 3 digitized sounds into a compressed digital format and store said
- 4 compressed digital format in said memory.
- 1 19. (Original) The music system of claim 17, wherein:
- said data processor is further programmed to
- 3 recall digitized sounds stored in said memory, and
- 4 compress said recalled digitized sounds into a compressed
- 5 digital format and store said compressed digital format in
- 6 said memory.
- 1 20. (Previously Presented) The music system of claim 13,
- 2 wherein:
- 3 wherein said audio coder-decoder digitizes analog input
- 4 received via said player analog input connection, said data
- 5 processor programmed to store said digitized analog input in said
- 6 memory.
- 1 21. (Original) The music system of claim 20, wherein:
- said data processor is further programmed to compress said
- 3 digitized analog input into a compressed digital format and store
- 4 said compressed digital format in said memory.

- 1 22. (Original) The music system of claim 20, wherein:
- 2 said data processor is further programmed to
- 3 recall digitized analog input stored in said memory, and
- 4 compress said recalled digitized analog input into a
- 5 compressed digital format and store said compressed digital
- 6 format in said memory.
- 1 23. (Original) The music system of claim 13, wherein:
- said memory is a non-volatile memory capable of retaining data
- 3 in the absence of electric power.
- 1 24. (Original) The music system of claim 13, wherein:
- said data processor is a digital signal processor.
- 1 25. (Previously Presented) A base unit for use with a self-2 contained, portable music player comprising:
- 3 a tuner for receiving and demodulating analog audio signals;
- 4 a base connector including
- 5 a power connection,
- an analog input connection for receiving an analog input,
- 7 a base unit analog output connection connected to said
- 8 tuner to output demodulated analog audio signals;
- 9 a power source connected to said power connection for
- 10 supplying recharging power for the self-contained, portable music
- 11 player;
- a pre-amplifier having an input connected to said analog input
- 13 connection and an output,
- 14 a power amplifier having an input connected to said output of
- 15 said pre-amplifier and an output, and

- a speaker system connected to said output of said power amplifier for reproducing sound corresponding to said output of said power amplifier.
- 1 26. (Currently Amended) The base unit of claim 25, wherein:
- 2 said base connector further includes a volume data input
- 3 connection for receiving of volume control data from the self-
- 4 contained, portable music player;
- 5 said pre-amplifier is further connected to said volume data
- 6 input connection and producing an amount of amplification
- 7 corresponding therete to the volume control data.
- 1 27. (Original) The base unit of claim 25, wherein:
- 2 said base connector further includes a set of digital
- 3 connections for connection to a set of digital connections of the
- 4 self-contained, portable music player; and
- 5 said base unit further includes a disc drive connected to said
- 6 digital connections of said base connector capable of storing and
- 7 recalling digital data.

28. (Canceled)

- 29. (Currently Amended) The self-contained, portable music player of claim 1, wherein:
- said base connector further includes a digital data bus
 4 connection for bidirectional data exchange; and
- 5 said data processor being further connected to said digital
- 6 data bus connection of said base connector for communicating
- 7 station selection data corresponding to inputs received from said
- 8 input/output input device via said digital data bus connection to
- 9 the base unit.

- 1 30. (Currently Amended) The music system of claim 13, 2 wherein:
- 3 said self-contained, portable music player wherein

said first base connector further includes a first digital data bus connection for bidirectional data exchange

6 and

7

8

10

11

12

13

14

15

16

17

18 19 said data processor being further connected to said first digital data bus connection of said base connector for communicating station selection data corresponding to inputs received from said input device via said first digital data bus connection to the base unit;

said base unit wherein

said second base connector further includes a second digital data bus connection for connection to said first digital data bus connection for receiving digital data including station selection data, and

said tuner being connected to said second digital data bus connection and further selecting a station corresponding to said station selection data.

- 1 31. (Previously Presented) The base unit of claim 25, 2 wherein:
- said base connector further includes a digital data bus connection for receiving digital data including station selection data; and
- said tuner being connected to said digital data bus connection and further selecting a station corresponding to said station selection data.
- 1 32. (Previously Presented) The music system of claim 14, 2 wherein:
- 3 said base unit includes no volume control input.

- 1 33. (Previously Presented) The base unit of claim 26,
- 2 wherein:
- 3 said base unit includes no volume control input.
- 1 34. (Previously Presented) The music system of claim 30,
- 2 wherein:
- 3 said base unit includes no station selection input.
- 1 35. (Previously Presented) The base unit of claim 31,
- 2 wherein:
- 3 said base unit includes no station selection input.
- 1 36. (Currently Amended) A self-contained, portable music 2 player comprising:
- 3 a rechargeable battery pack for powering the music player;
- an <u>input/output</u> <u>input</u> device including at least a keypad for receiving user inputs and a display;
- 6 an <u>output device including</u> a display;
- a memory capable of storing digital music in at least one compressed digital format;
- 9 a data processor connected to said input/output input device,
- 10 said output device and said memory, said data processor programmed
- 11 to decompress said digital music into uncompressed digital music
- 12 samples, said data processor further programmed in cooperation with
- 13 input/output said input device whereby enabling a user may to enter
- 14 volume control data via said keypad;
- 15 an audio coder-decoder connected to said data processor for
- 16 receiving said uncompressed digital music samples from said data
- 17 processor and converting said uncompressed digital music samples
- 18 into analog music;

19	a headset	connector	connected	to said	audio	coder-decoder	for
20	supplying said	analog m	ısic to-an	externa l	heads	et earphone ;	and
21	a base cor	mector in	icludina				

22

23 24

25

26

27

28

29

30

31

32

33

34 35

36

37 38

39

40 41

2

3 4

5

6

7

8

a power connection connected to said rechargeable battery pack capable of receiving charging power from an external base unit.

an analog output connection connected to said audio coder-decoder for supplying said analog music to-an-external base unit for amplification and reproduction via speakers, and

a volume control data output connection for transmission of volume control data from the self-contained, portable music player to an external base unit; and

wherein the self-contained, portable music player operates in a portable mode disconnected from a base unit and powered by said rechargeable battery pack, whereby enabling a user may to listen to selected digital music stored in said memory via an external said headset earphone connector, and

in a base mode connected to a base unit via said base connector and powered via said power connector, whereby enabling a user may to listen to selected digital music stored in said memory via speakers of an external base unit said analog output connection and control listening volume via said volume control data.

1 (Currently Amended) The self-contained, portable music 37. player of claim 36, wherein:

said base connector further includes a station selection data output connection; and

said data processor being further programmed in cooperation with input/output said input device whereby enabling a user may to enter station selection data via said keypad, said data processor being further connected to said station selection data output

9	connection of said base connector for communicating station
10	selection data corresponding to inputs received from said
11	input/output input device via said station selection output
12	connection to the external base unit.
1	38. (Currently Amended) A music system comprising:
2	a self-contained, portable music player including
3	a rechargeable battery pack for powering the music
4	player,
5	an input/output input device including at least a keypad
6	for receiving user inputs and a display;
7	an output device including a display;
8	a memory capable of storing digital music in at least one
9	compressed digital format,
10	a data processor connected to said input/output input
11	device, said output device and said memory, said data
12	processor programmed to decompress said digital music into
13	uncompressed digital music samples, said data processor
14	further programmed in cooperation with input/output said input
15	device whereby enabling a user may to enter volume control
16	data via said keypad,
17	an audio coder-decoder connected to said data processor
18	for receiving said uncompressed digital music samples from
19	said data processor and converting said uncompressed digital
20	music samples into analog music,
21	a headset connector connected to said audio coder-decoder
22	for supplying said analog music to an external headset
23	earphone, and
24	a first base connector including

first power connection connected to said

rechargeable battery pack capable of receiving charging

power from an external base unit,

25

26 27

28	a player analog output connection connected to said
29	audio coder-decoder for supplying said analog music, and
30	a volume control data output connection for
31	transmission of volume control data from the self-
32	contained, portable music player; and
33	a base unit including
34	a second base connector including
35	a second power connection for connection to said
36	first power connection,
37	an analog input connection for connection to said
38	player analog output connection of said first base
39	connector,
40	a volume control data input connection for
41	connection to said player volume control data output
42	connection of said first base connector,
43	a power source connected to said second power connection
44	for supplying recharging power for said rechargeable battery
45	pack,
46	a pre-amplifier having an input connected to said analog
47	input connection and an output, said pre-amplifier further
48	connected to said volume control data input connection and
49	producing an amount of amplification corresponding to the
50	volume control data,
51	a power amplifier having an input connected to said
52	output of said pre-amplifier and an output,
53	a speaker system connected to said output of said power
54	amplifier for reproducing sound corresponding to said output
55	of said power amplifier,
56	said base unit having no input for volume control; and
57	wherein the music system operates in
58	a portable mode wherein said self-contained, portable
59	music player is disconnected from said base unit and powered

by said rechargeable battery pack, whereby enabling a user may to listen to selected digital music stored in said memory via an external said headset earphone connector, and

in a base mode wherein said self-contained, portable music player is connected to said base unit via said first base connector and said second base connector and powered from said power source, whereby enabling a user may to listen to selected digital music stored in said memory via speakers said speaker system of an external said base unit and control listening volume via said volume control data.

1 39. (Currently Amended) The music system of claim 38, 2 wherein:

said self-contained portable music player wherein

said first base connector further includes a station selection data output connection, and

said data processor being further programmed in cooperation with <u>input/output</u> said <u>input</u> device whereby enabling a user may to enter station selection data via said keypad, said data processor being further connected to said station selection data output connection of said first base connector for communicating station selection data corresponding to inputs received from said <u>input/output</u> input device via said station selection output connection;

said base unit wherein

said second base connector further includes a station selection data input connection for connection to said player station selection data output connection of said first base connector,

said base unit further including a tuner for receiving and demodulating analog audio signals and connected to said station selection data input connection of said second base

- 22 connector for selecting a station corresponding to said
- 23 station selection data; and
- said base unit having no input for station selection.
- 1 40. (Previously Presented) A base unit for use with a self-2 contained, portable music player comprising:
- 3 a base connector including
- 4 a power connection.
- 5 an analog input connection for receiving an analog input,
- 6 a volume control data input connection for receiving
- 7 volume control data;
- a power source connected to said power connection for supplying recharging power for the self-contained, portable music player;
- a pre-amplifier having an input connected to said analog input connection and an output, said pre-amplifier further connected to said volume control data input connection and producing an amount of amplification corresponding to the volume control data;
- a power amplifier having an input connected to said output of said pre-amplifier and an output;
- a speaker system connected to said output of said power amplifier for reproducing sound corresponding to said output of said power amplifier;
- said base unit having no input for volume control.
- 1 41. (Previously Presented) The base unit of claim 40, 2 wherein:
- said base connector further includes a station selection data
 input connection for receiving station selection data;
- said base unit further including a tuner for receiving and demodulating analog audio signals and connected to said station selection data input connection of said base connector for

- 8 selecting a station corresponding to said station selection data;
- 9 and

9

10

11

12 13

14

- said base unit having no input for station selection.
- 1 42. (Currently Amended) A self-contained, portable music 2 player comprising:
- 3 a rechargeable battery pack for powering the music player;
- an <u>input/output</u> <u>input</u> device including at least a keypad for receiving user inputs and a display;
- 6 an <u>output device including a display;</u>
- a memory capable of storing digital music in at least one compressed digital format;
 - a data processor connected to said <u>input/output input device</u>, said <u>output</u> device and said memory, said data processor programmed to decompress said digital music into uncompressed digital music samples, said data processor further programmed in cooperation with <u>input/output said input device whereby enabling</u> a user <u>may to enter station selection data via said keypad:</u>
- an audio coder-decoder connected to said data processor for receiving said uncompressed digital music samples from said data processor and converting said uncompressed digital music samples into analog music;
- a headset connector connected to said audio coder-decoder for supplying said analog music to an external headset earphone; and
- 21 a base connector including
- 22 a power connection connected to said rechargeable battery 23 pack capable of receiving charging power from an external base 24 unit,
- an analog output connection connected to said audio coder-decoder for supplying said analog music to an external base unit for amplification and reproduction via speakers, and

a station selection data output connection for transmission of station selection data from the selfcontained, portable music player to an external base unit; and wherein the self-contained, portable music player operates in

a portable mode disconnected from a base unit and powered by said rechargeable battery pack, whereby enabling a user may to listen to selected digital music stored in said memory via an external said headset earphone connector, and

in a base mode connected to a base unit via said base connector and powered via said power connector, whereby enabling a user may to listen to selected digital music stored in said memory via speakers of an external base unit said analog output connection and control station selection of a tuner via said station selection data.

- 43. (Currently Amended) A music system comprising: a self-contained, portable music player including
- a rechargeable battery pack for powering the music player,

an <u>input/output</u> <u>input</u> device including at least a keypad for receiving user inputs and a display;

an output device including a display;

- a memory capable of storing digital music in at least one compressed digital format,
- a data processor connected to said input device, said output device and said memory, said data processor programmed to decompress said digital music into uncompressed digital music samples, said data processor further programmed in cooperation with input/output said input device whereby enabling a user may to enter station selection data via said keypad,

T /	an audio coder-decoder connected to said data processor
18	for receiving said uncompressed digital music samples from
19	said data processor and converting said uncompressed digital
20	music samples into analog music,
21	a headset connector connected to said audio coder-decoder
22	for supplying said analog music to an external headset
23	earphone , and
24	a first base connector including
25	a first power connection connected to said
26	rechargeable battery pack capable of receiving charging
27	power from an external base unit ,
28	a player analog output connection connected to said
29	audio coder-decoder for supplying said analog music, and
30	a station selection data output connection for
31	transmission of station selection data from the self-
32	contained, portable music player; and
33	a base unit including
34	a second base connector including
35	a second power connection for connection to said
36	first power connection,
3 7	an analog input connection for connection to said
38	player analog output connection of said first base
39	connector,
40	a station selection data input connection for
41	connection to said player station selection data output
42	connection of said first base connector,
43	a power source connected to said second power connection
44	for supplying recharging power for said rechargeable battery
45	pack,
46	a pre-amplifier having an input connected to said analog
17	input connection and an output,

a power amplifier having an input connected to said output of said pre-amplifier and an output,

a speaker system connected to said output of said power amplifier for reproducing sound corresponding to said output of said power amplifier,

a tuner for receiving and demodulating analog audio signals and connected to said station selection data input connection of said second base connector for selecting a station corresponding to said station selection data; and

said base unit having no input for station selection; and wherein the music system operates in

a portable mode wherein said self-contained, portable music player is disconnected from said base unit and powered by said rechargeable battery pack, whereby enabling a user may to listen to selected digital music stored in said memory via an external said headset earphone connector, and

in a base mode wherein said self-contained, portable music player is connected to said base unit via said first base connector and said second base connector and powered from said power source, whereby enabling a user may to listen to selected digital music stored in said memory via speakers said speaker system of an external said base unit and control station selection of the tuner via said station selection data entered via said portable music player input/output input device.

- 1 44. (Previously Presented) A base unit for use with a self-2 contained, portable music player comprising:
- 3 a base connector including
- 4 a power connection,

50

51

52

53

54

55 56

57

58

59

60

61

62

63 64

65

66

67

68 69

70

71 72

5 an analog input connection for receiving an analog input,

- a station selection data input connection for receiving station selection data;
- a power source connected to said power connection for supplying recharging power for the self-contained, portable music player;
- a pre-amplifier having an input connected to said analog input connection and an output;
- a power amplifier having an input connected to said output of said pre-amplifier and an output;
- a speaker system connected to said output of said power amplifier for reproducing sound corresponding to said output of said power amplifier;
- a tuner for receiving and demodulating analog audio signals and connected to said station selection data input connection of said base connector for selecting a station corresponding to said station selection data; and
- 22 said base unit having no input for station selection.